

Bean Tunnel

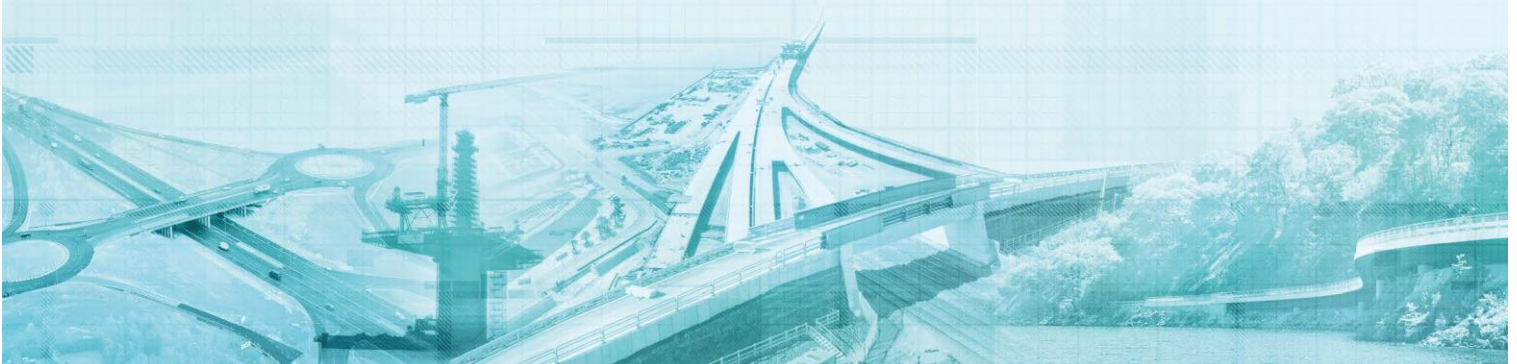
Specification Appendices - Drainage Schedule

Kent County Council

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APPENDIX 5/1 DRAINAGE SCHEDULES

1 Manholes and Catchpits

Notes:

- Chamber depth identified doesn't include the sump. The minimum sump depth for catchpits shall be 600mm below the invert of the outlet pipe, except where noted.
- Gully connections are not defined within the chamber schedule

Chamber	X	Y	BRT-TG-XX-ZZ- DR-HI-0501	Cover Level	MH Depth (m)	MH Diameter							Additional Notes
						Dia (mm)	Pipe Out			Pipe In			
						Pipe No.	US IL	Dia (mm)	Pipe No.	DS IL	Dia (mm)		
CH1-1.000	558421.963	173507.038	0501	6.920	1.336	1200	P1-1.000	5.584	150				
CH1-2.000	558434.092	173499.201	0501	6.980	1.350	1200	P1-2.000	5.630	150				
CH1-1.001	558424.677	173494.896	0501	6.880	1.366	1200	P1-1.001	5.514	150	P1-1.000	5.514	150	
CH2-1.000	558400.931	173514.076	0501	7.100	DEPTH TBC ON SITE TO MATCH EXISTING PIPE	1200	EXSITING						
CH3-1.000	558400.965	173492.638	0501	6.880	1.480	1200	PN3- 1.000	5.380	150				
CH4-1.000	558396.124	173468.509	501	6.600	DEPTH TBC ON SITE TO MATCH EXISTING PIPE	1200	EXISTING						
										P1-2.000	5.523	150	
EXISTING	558408.448	173491.089	0501	6.800	EXISTING	EXISTING	EXISTING			P1-1.001	5.420	150	

2 Pipe lengths and beddings

Notes:

- Bedding type for carrier pipes to be Z beneath carriageway if less than 1.2m cover, and beneath footways if less than 0.9m cover. Pipe bedding type S to be used where cover exceeds 1.2m in carriageway and 0.9m in footways. Pipe lengths are indicative only.
- All pipe bedding classes shall be in accordance with the MCHW Volume 3 Highway Construction Detail drawings F1 & F2 and with KCC standard drawing KCC/HTW/500/051.
- Backfill for carrier drains shall be in accordance with SHW Clause 505. Under existing and proposed roads this shall be taken to the underside of formation and the remainder brought up with the required thickness of sub-base and asphaltic concrete.
- Pipe Types – Carrier, Filter or Combined. Combined pipe type refers to a combined surface and subsurface drain i.e. collection from gully chambers and subsurface filter drains.

PN	Dia (m m)	Length (m)	Pipe Type	Pipe Material	Bedding Class	Notes/Position In Carriageway
P1-1.000	150	12.442	Carrier Pipe	PVCu Thermoplastic	S	Under carriageway
P1-2.000	150	11.874	Carrier Pipe	PVCu Thermoplastic	S	In verge
P1-1.001	150	16.669	Carrier Pipe	PVCu Thermoplastic	S	Under carriageway
PN3-1.000	150	7.083	Carrier Pipe	PVCu Thermoplastic	S	Under carriageway
Twin Pipes	800	16.2	Balancing Pipe	Concrete	S	Under carriageway and footway
Wildlife Tunnel	600	41.2	Wildlife Pipe	Concrete	S	Under carriageway, footway and verge

3 Road Gullies

Gully Reference	Co-ordinate Positions		Min outlet Dia (mm)
	x	y	
01	558402.5603	173517.5568	150
02	558402.8427	173507.5450	150
03	558402.4485	173497.7538	150
04	558401.4797	173487.6015	150
05	558398.8419	173472.3276	150
06	558395.2099	173458.2882	150
07	558388.6546	173449.3829	150
08	558388.2406	173449.0717	150
10	558420.5773	173513.2615	150
11	558428.0924	173506.4031	150
12	558428.6474	173506.4266	150
13	558440.2961	173505.6942	150
14	558439.9621	173501.5336	150
15	558430.0751	173500.2047	150
16	558420.5851	173487.4976	150
-EXISTING	558420.1845	173516.5649	150
-EXISTING	558418.3781	173475.4008	150
-EXISTING	558399.0093	173526.4483	150
-EXISTING	558418.3000	173532.0645	150